



(43) International Publication Date
3 June 2004 (03.06.2004)

PCT

(10) International Publication Number
WO 2004/045689 A1

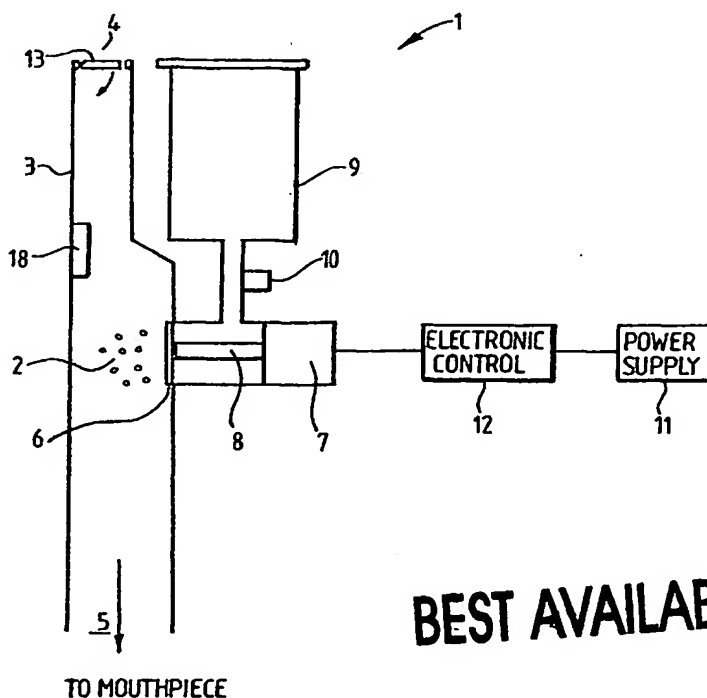
- (51) International Patent Classification⁷: A61M 15/00 (74) Agents: WRIGHT, BRIGHT, Howard, H. et al.; Withers & Rogers, Goldings House, 2 Hays Lane, London SE1 2HW (GB).
- (21) International Application Number: PCT/GB2003/005048
- (22) International Filing Date: 20 November 2003 (20.11.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 0227105.4 20 November 2002 (20.11.2002) GB
- (71) Applicant (for all designated States except US): PRO-FILE RESPIRATORY SYSTEMS LIMITED [GB/GB]; Heath Place, Bognor Regis, West Sussex PO22 9SL (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): DENYER, Jonathan, S., H. [GB/GB]; Sunnyside, West Way, West Broyle, Chichester, West Sussex PO19 3PW (GB). PRINCE, Ivan, R. [GB/GB]; 18 Havendale, Hedge End, Southampton, SO30 0FD (GB).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

Published:

— with international search report

[Continued on next page]

(54) Title: IMPROVED INHALATION METHOD AND APPARATUS



BEST AVAILABLE COPY

(57) **Abstract:** Signals may be generated in a drug delivering apparatus through which a person inhales to generate an inhaled airstream to signal to the person to cease inhalation after a pre-set period of time has elapsed from detection of the commencement breathing by that person. The pre-set period of time for subsequent inhalations is adjusted depending on the time the person takes to stop inhaling after being signalled.

WO 2004/045689 A1



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.